

Daniel T. Crago  
Hot Mix, Inc.  
P.O. Box 67  
Aurora, IN 47001

Re: 031-12733-03141  
First Administrative Amendment to  
**FESOP 031-7417-03141**

Dear Mr. Crago:

Hot Mix, Inc. was issued a FESOP permit on July 12, 1997 for a hot mix asphalt batch plant. A letter requesting the derating of the asphalt plant from 150 tons per hour to 125 tons per hour of asphalt production was received on September 20, 2000. Pursuant to the provisions of 2-8-10(a)(6) the permit is hereby administratively amended as follows (with new language bolded and old language stricken):

- 1) Condition D.1.1 has been revised to reflect the new allowable particulate matter emission rate (pounds per hour) that corresponds with the new asphalt production limit of 125 tons per hour.

**D.1.1 Particulate Matter [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3 (Process Operations), the particulate matter emissions from the mixing and drying operation shall be limited to ~~55.4~~ **53.55** pounds per hour. This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

- 2) Condition D.1.2a has been added to the permit to reflect the new production limit.

**D.1.2a Operating Capacity [326 IAC 2-8-10(a)(6)]**

**The amount of asphalt produced at the mixing and drying operation shall be limited to 125 tons per hour.**

- 3) Condition D.1.4 has been revised to require compliance testing be performed at the new limited operating capacity.

**D.1.4 Particulate Matter [326 IAC 3-6]**

During the period between 30 and 36 months after issuance of this permit, the Permittee shall perform PM and PM-10 testing utilizing Methods 5 or 17, per 40 CFR Part 60 Appendix A, and Methods 201 and 201a and Method 202, per 40 CFR Part 51 Appendix M, or as approved by the Commissioner. This test shall be repeated at least once every five years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10. **Testing shall be performed at the production capacity specified in Condition D.1.2a.**

- 4) Condition D.1.12a has been added to the permit to include record keeping requirements to show compliance with Condition D.1.2a.

**D.1.12a      Operational Parameters**

**To document compliance with Condition D.1.2a, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken daily and shall be complete and sufficient to establish compliance with the asphalt production limit established in Condition D.1.2a.**

- (a)      A log of the dates of production;**
- (b)      The total asphalt production for each hour.**

**All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.**

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter please contact Nishat Hydari, at 973-575-2555 (ext. 3216) or 1-800-451-6027 press 0 and ask for extension 3-6878.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

Attachments  
NH/EVP

cc:      File - Decatur County  
          U.S. EPA, Region V  
          Decatur County Health Department  
          Air Compliance Section Inspector - Warren Greiling  
          Compliance Data Section - Karen Nowak  
          Administrative and Development - Janet Mobley  
          Technical Support and Modeling - Nancy Landau

# **FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR MANAGEMENT**

**Hot Mix, Inc.  
8235 East Base Road  
Greensburg, Indiana 47240**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the facilities listed in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR 70 and contains the conditions and provisions specified in 326 IAC 2-8 and 40 CFR 70.6 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments) and IC 13-15 and IC 13-17 (prior to July 1, 1996, IC 13-1-1-4 and IC 13-7-10).

Operation Permit No.: F031-7417-03141	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: July 12, 1997

  

First Minor Permit Revision: 031-11446-03141	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: December 22, 1999

  

First Administrative Amendment: 031-12733-03141	Pages Affected: 21, 23, 24
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

## SECTION D.1 FACILITY OPERATION CONDITIONS

- (a) one (1) aggregate rotary dryer, with a maximum capacity of 150 tons per hour, equipped with one (1) No. 2 distillate fuel oil fired aggregate dryer burner with a maximum rated capacity of 41.4 million (MM) British thermal units (Btu) per hour, using one (1) jet pulse baghouse for air pollution control, and exhausting at one (1) stack, identified as SV/1;
- (b) one (1) enclosed mixing and batching tower with a maximum capacity of 150 tons per hour;
- (c) one (1) cold aggregate feeder conveyor; and
- (d) one (1) recycled asphalt pavement (RAP) feeder conveyor.

### Emissions Limitations and Standards [326 IAC 2-8-4(1)] [326 IAC 6-3]

#### D.1.1 Particulate Matter [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3 (Process Operations), the particulate matter emissions from the mixing and drying operation shall be limited to 53.55 pounds per hour. This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

#### D.1.2 Particulate Matter 10 Microns (PM-10)

Pursuant to 326 IAC 2-8-4, particulate matter 10 microns emissions from the aggregate mixing and drying operation shall not exceed 19.3 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

#### D.1.2a Operating Capacity [326 IAC 2-8-10(a)(6)]

The amount of asphalt produced at the mixing and drying operation shall be limited to 125 tons per hour.

#### D.1.3 Sulfur Dioxide (SO<sub>2</sub>)

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 41.4 million Btu per hour burner for the aggregate dryer shall be limited to 0.5 pounds per million Btu heat input or a sulfur content of less than or equal to 0.49% when using distillate oil.

Pursuant to 326 IAC 7-1.1-2, this sulfur dioxide limit applies at all times including periods of startup, shutdown, and malfunction.

### Testing Requirements [326 IAC 2-8-4(3)]

#### D.1.4 Particulate Matter [326 IAC 3-6]

During the period between 30 and 36 months after issuance of this permit, the Permittee shall perform PM and PM-10 testing utilizing Methods 5 or 17, per 40 CFR Part 60 Appendix A, and Methods 201 or 201a and Method 202, per 40 CFR Part 51 Appendix M, or as approved by the Commissioner. This test shall be repeated at least once every five years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10. Testing shall be performed at the production capacity specified in Condition D.1.2a.

#### D.1.5 Sulfur Dioxide Emissions and Sulfur Content

The Permittee shall test for:

- (a) Sulfur content of oil burned as fuel by the 41.4 million Btu per hour burner for the aggregate dryer using 40 CFR Part 60, Appendix A, Method 19 for each load of oil delivered; or

- (b) Sulfur dioxide emissions from the 41.4 million Btu per hour burner for the aggregate dryer, using 40 CFR Part 60, Appendix A, Method 6 each time a test to comply with Condition D.1.4 is performed.
- 2) Check duct work and baghouse housing for holes and air leaks

Monthly:

- 1) Check filter bags for leaks
- 2) Check screw conveyor hanger bearings for wear and proper operation
- 3) Check filter pulse system for proper operation

Yearly:

- 1) Check filter bags to determine useful life remaining in bags
- 2) Check baghouse structure and duct work for worn areas

**D.1.10 Broken Bag or Failure Detection**

That in the event that bag failure has been observed:

- (a) The affected compartments will be shut down immediately until the units have been replaced.
- (b) Based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

**D.1.11 Fuel Oil Sampling and Analysis**

Oil samples shall be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted. The Permittee shall analyze the oil sample to determine the sulfur content of the oil in accordance with 326 IAC 3-3-4. If a partially empty fuel tank is refilled, a new sample and analysis is required upon filling. Vendor analysis of the fuel oil is acceptable, in lieu of the above, if accompanied by a certification.

**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

**D.1.12 Operational Parameters**

The Permittee shall maintain a daily record for the baghouse controlling particulate matter emissions from the asphalt drying operation of the following values:

- (a) Inlet and outlet differential static pressure;
- (b) Visible observations;
- (c) Checklist with dates and initials for each preventive action performed; and
- (d) Records of corrective actions.

**D.1.12a Operational Parameters**

To document compliance with Condition D.1.2a, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken daily and shall be complete and sufficient to establish compliance with the asphalt production limit established in Condition D.1.2a.

- (a) A log of the dates of production;

- (b) The total asphalt produced for each hour.

All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**D.1.13 Distillate Fuel Oil Usage**

- (a) Complete and sufficient records shall be kept to establish compliance with the No. 2 fuel oil sulfur content limit established in this permit and contain a minimum of the following:
  - (1) Calendar dates covered in the compliance determination period;
  - (2) Sulfur dioxide content of all fuel oils used;
  - (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and
  - (4) Fuel supplier certifications.
- (b) The supplier certification shall contain, as a minimum, the following:
  - (1) The name of the oil supplier; and
  - (2) A statement from the oil supplier that certifies the sulfur content and heat content of the fuel oil.

**D.1.13a Volatile Organic Compound (VOC) Usage**

The Permittee shall maintain monthly records at the stationary source of the amount and VOC contents of each diluent used in the production of cold mix cutback asphalt. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used and:

- (a) A log of the dates of diluent use;
- (b) The total input VOC usage for each month; and
- (c) The weight of VOCs emitted for each compliance period.

**D.1.14 Quarterly Reporting**

A quarterly summary to document compliance with operation condition number D.1.3 and Condition D.1.3a shall be submitted, to the address listed in Section C.19 - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported.